

# ***Extreme Information Management Powered by XML***

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## **Delivering Information to the Warfighter**

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**AMERICA'S ARMY: THE STRENGTH OF THE NATION  
ARMY STRONG**







# What's the Problem?



- ★ We have lots of data, but not enough information.
- ★ Critical information locked in many independent systems.
- ★ Data stored in widely varying formats.
- ★ We don't all speak the same language (even if it is called "English.")
- ★ Same data instance may be obtained from multiple sources, and is sometimes used to verify itself.
- ★ Some data needs to have controlled access.
- ★ Semantics and syntax hidden inside application logic.

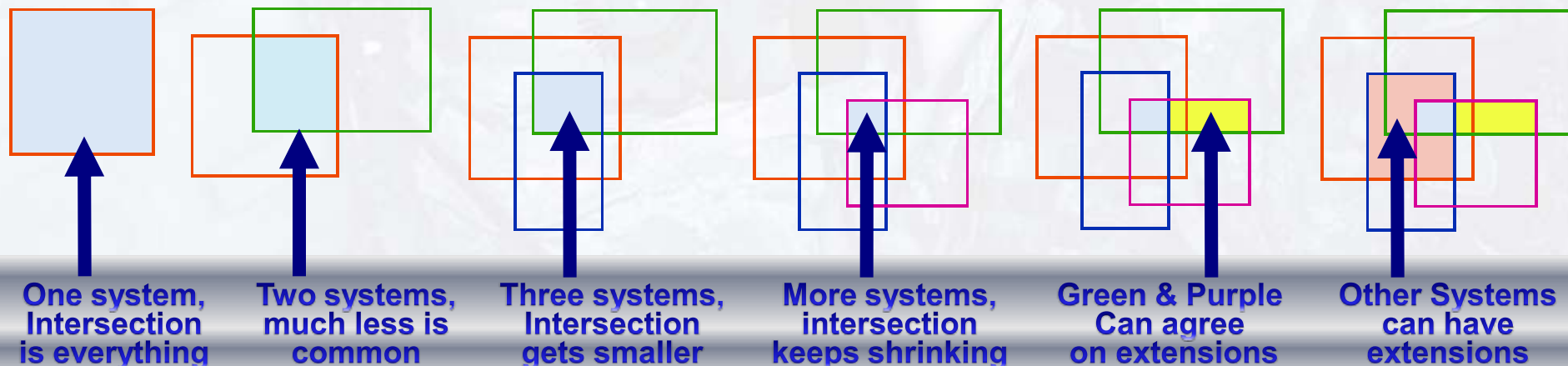


# XML is one part of the implementation



- ★ XML is a good enterprise “syntax” to facilitate information sharing.
  - Widely used; many tools available
  - Enforceable structure
  - Data model extensible without impacting existing consumers.
  - Human readable (sort of)
- ★ But Semantics are necessary and must be **Visible** and **Accessible**, as well as **Trusted**.

## Loose Couplers in the Data





# Solution...



## Make the Data into Actionable Information

- ★ Visible
- ★ Accessible
- ★ Understandable
- ★ Trusted

### Fundamental Federal Government XML Vocabularies

- ★ DDMS
- ★ UCore
- ★ OGC
- ★ ICISM





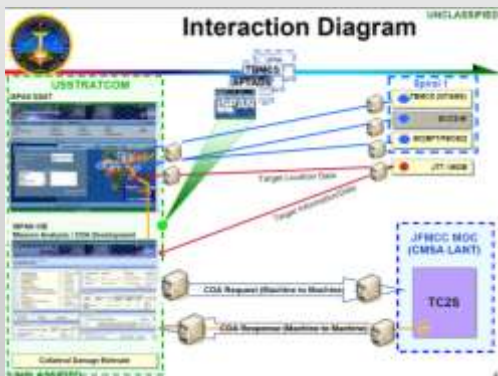
# Using XML for Data Access across the Joint/Allied Community



## Strike Community of Interest (COI)

Use XML to create a common vocabulary and common semantics enabling data access across the international community.

Provides a common framework for information exchange.  
Enables semantic precision with international participants.  
Enables rapid creation of web services.

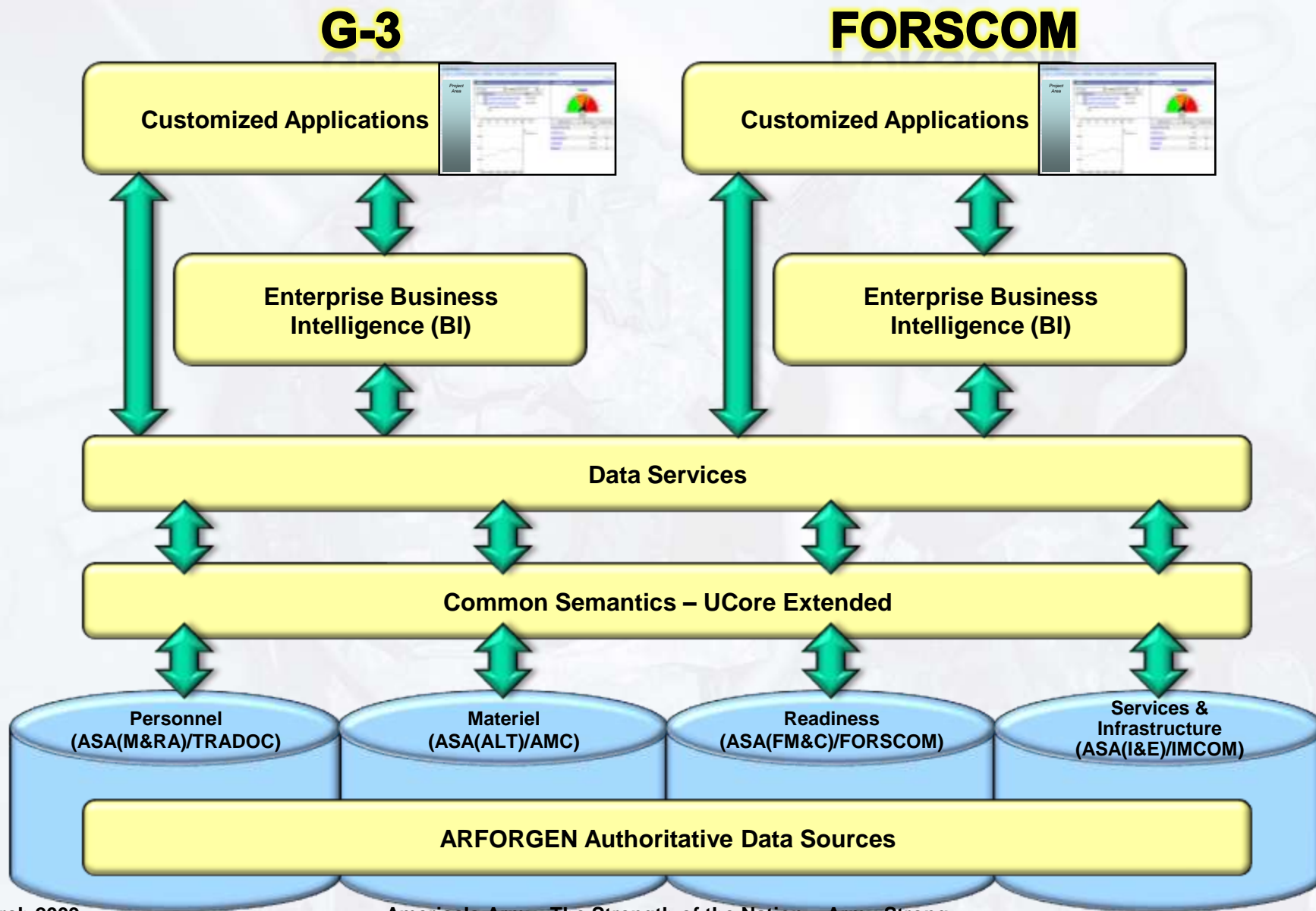


- ✓ Standards-based XML schema created.
- ✓ Configuration managed
- ✓ U.S. Army holds Chair and Secretariat of STRIKE Data Management Working Group

Built on  
UCore



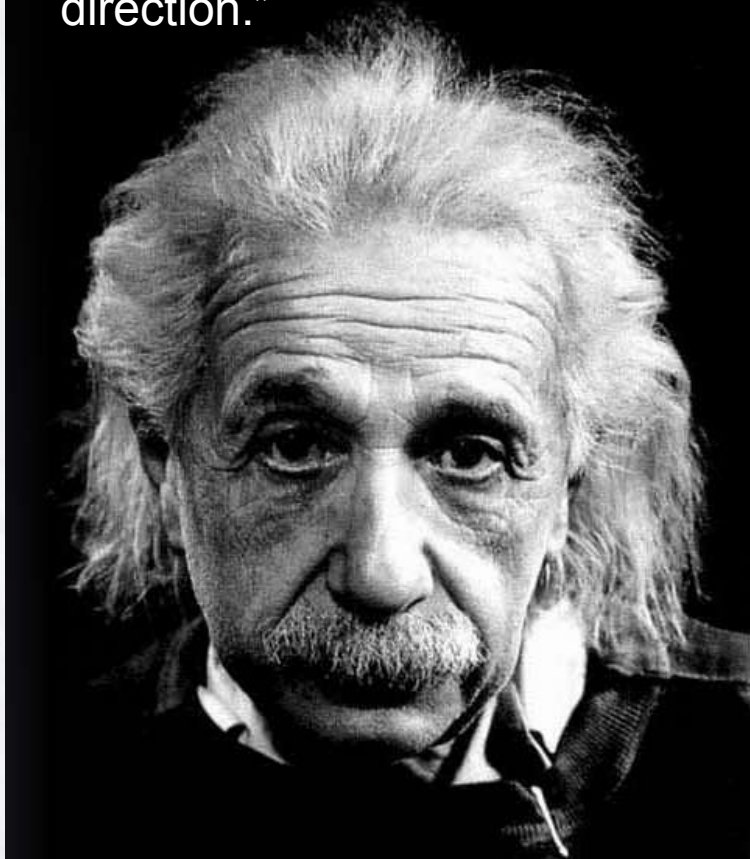
# ARFORGEN Example





# In conclusion...

“Any intelligent fool can make things bigger and more complex...It takes a touch of genius – and a lot of courage to move in the opposite direction.”







**Army Strong!**